

Appl. No. 10/523,435; Docket No. AT02 0049 US
Amdt. dated October 31, 2006
Response to Office Action dated September 1, 2006

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Amendments to the Specification

On page 1, paragraph 1, please amend as shown.

The invention relates to an electroacoustic transducer with a transducer axis and comprising a membrane, which membrane is arranged ~~parallel~~ perpendicular to the transducer axis so as to be oscillatory, and comprising a magnet system, which magnet system is equipped with two magnet-system components, which magnet-system components bound an air gap, and comprising a moving coil, which moving coil is, in part, arranged in the air gap and is connected to the membrane, and comprising a circuit module, which circuit module is equipped with a circuit frame and at least one circuit component of a transducer circuit, mounted on the circuit frame.

On page 2, paragraph 2, please amend as shown.

Electroacoustic transducer with a transducer axis and comprising a membrane, which membrane is arranged ~~parallel~~ perpendicular to the transducer axis so as to be oscillatory, and comprising a magnet system, which magnet system is equipped with two magnet-system components bounding an air gap, and comprising a moving coil, which moving coil is, in part, arranged in the air gap and is connected to the membrane, and comprising a circuit module, which circuit module is equipped with a circuit frame and at least one circuit component of a transducer circuit, mounted on the circuit frame, wherein the magnet system is arranged in an annular shape and encloses an inner space, which inner space is accessible from outside the magnet system during production of the transducer and before the circuit module is mounted, and wherein the at least one circuit component is arranged on a first carrier surface of the circuit frame which first carrier surface faces the membrane, and in the inner space of the magnet system.

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On page 3, paragraph 2, please amend as shown.

In an electroacoustic transducer in accordance with the invention, connecting contacts running parallel with one another in the form of spots or strips may be provided on a ~~second carrier~~ second carrier surface of the circuit frame which second carrier surface facing away from the membrane. It has, however, proved very advantageous if four connecting contacts, each having the shape of an annular sector, are provided on a second carrier surface of the circuit frame which second carrier surface faces away from the membrane. An embodiment of this kind has proved especially advantageous in practice.

On page 4, paragraph 2, please amend as shown

The transducer 1 contains a membrane 8, which is essentially U-shaped in its peripheral area 9, wherein the U-shaped peripheral area 9 is connected to a ring 10, which ring 10 is connected to membrane 8 when membrane 8 is produced, and which ring 10 serves for transport purposes and also for assembly purposes. When transducer 1 is produced, ring 10, including the membrane 8 which is connected to it, is inserted into housing 3 in parallel with the direction of transducer axis 2, wherein the lugs 7 have, of course, not yet been bent over and extend in a direction running essentially parallel with transducer axis 2. Membrane 8 has an intermediate area 11 adjacent to U-shaped peripheral area 9, and an annular securing area 12 adjacent to intermediate area 11, and a central area 13 located within securing area 12, which central area 13 serves for sound generation. To this end, membrane 8 as a whole is arranged ~~parallel~~ perpendicular to transducer axis 2 so as to be oscillatory.

On page 7, paragraph 4, please amend as shown.

As regards circuit module 23, it should also be mentioned that circuit module 23 is of an SMD-capable (Surface Mount Device) design and therefore can be connected by an SMD method to a PCB (Printed Circuit Board) of a mobile telephone or a similar apparatus. Circuit module 23 thereby forms an SMD-capable adapter for transducer 1,

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wherein this adapter can be connected, or cannot be connected, to the remainder of
transducer 1, depending on client request or application case.